

Beacon High School
Course Catalog
2022-2023



Courses subject to change pending enrollment status and staffing (4.11.2022)

ARTS

Course Title: AP Art History

Term: Full Year

Credit: 1.00

Prerequisite: Teacher recommendation

Description: AP Art History is an introductory college level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

Course Title: A.P. Studio Art/Drawing

Term: Full year

Credit: 1.00

Prerequisite: Successful completion of Studio Art, Drawing and Painting I and II, teacher recommendation.

Description: Enhancing skills from Studio Art, Drawing and Painting, as well as other Art elective courses to develop a portfolio that reflects individual abilities and post high school goals. Students will examine career options and training opportunities in various Art professions. A student that demonstrates exceptional quality, production and dedication in their artwork can apply for AP Credit (Advanced Placement in Studio Art). However, the AP is not a requirement for course credit. If the student wishes to receive A.P. credit the course must be taken both Junior and Senior year. This course can only be taken with the recommendation of an art teacher.

Course Title: Architectural Design

Term: One Semester

Credit: 0.5

Prerequisite: Successful completion of Studio Art or one full art credit

Description: Architectural Design is a half year introductory art course. Students will learn the fundamental aspects needed to learn the concepts of Architectural Design. Traditional hands on drawing methods and digital software will be utilized to make student projects. Students will analyze both still art works, which imply perspective, creating 3-D models and using computer programs to enhance their understanding of what Architectural Design is. There will be lectures on the great works of architecture and possible visits to different architectural designs within our community. Sketchbooks will be used to aid in analyzing artworks, keeping notes, and experimenting with media and new techniques.

Course Title: Ceramics I

Term: One semester

Credit: 0.5

Prerequisite: None

Description: Hand built pottery, techniques of coil; slab, pinch as well as throwing on the potters' wheel will be introduced. The firing process and glazing process of clay are also explored. Form, function and decoration are the emphasis of this course.

Course Title: Ceramics II

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Ceramics I

Description: Building methods developed in Ceramics I will be further explored and refined. More complex concepts in ceramics will be explored such as sculpting and production pieces.

Course Title: Cartooning and Animation

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Studio Art or one full art credit

Description: This is a half year introductory art course. This class can be used in conjunction with other half year classes like Ceramics 1, Digital Art 1 and the semester long Studio Art class to get a full art credit. Students will learn the fundamental aspects needed to create a successful animation and cartoon. Character design, storyboarding and storytelling will be taught. Traditional hands on drawing methods and digital software will be utilized to make student projects. Students will analyze both still artworks, which implies movement, and animated segments from fine art and popular culture to enhance their projects. Political and satirical cartoons will also be employed to enhance students' understanding of cartooning. Sketchbooks will be used to aid in analyzing artworks, keeping notes, and experimenting with media and new techniques.

Course Title: CAD I (Computer Aided Drafting)

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: This course is an introduction to computer-aided drafting (CAD) using the AutoCAD LT software program. The topics covered in this course include: the AutoCAD LT graphics and text windows, user interface, drawing, setup parameters, rectangular and polar coordinate entry, display control functions, 2D geometric objects, selection sets, object snap models, X and Y coordinate filters, inquiry commands, text creation and modification, and 2D editing commands.

Course Title: DIA and Contemporary Art Concepts

Term: One Semester

Credit: 0.5

Prerequisite: Successful completion of Grade 9

Description: This course is designed to introduce students to the professional setting of a contemporary art museum. The class will include three to four mandatory field trips to the Dia museum. In addition to guidance from the classroom teacher, students will be working with a teaching artist provided by Dia. Contemporary art concepts will be developed, discussed and used throughout the class. Students will need to be open minded to new and unconventional approaches to the art making process. These ideas will be utilized to help students collaboratively create their own contemporary art projects. The class will culminate in a final exhibition of this artwork at Dia.

Course Title: DIA II and Contemporary Art Concepts II

Term: One semester

Credit: 0.5

Prerequisite: DIA and Contemporary Art Concepts

Description: This course is designed to enhance the students' understanding of the professional setting of a contemporary art museum. The students will start to develop their own contemporary art concepts through class discussion and working with many different professionals in the field of contemporary art. The class will include three to four mandatory field trips to the DIA museum. In addition to guidance from the classroom teacher, students will be working with teaching artists provided by DIA. Contemporary art concepts will be developed, discussed, and used throughout the class. Students will need to be open minded to new and unconventional approaches to the art making process. These ideas will be utilized to help students collaboratively create their own contemporary art projects. The class will culminate in a final exhibition of this artwork to DIA.

Course Title: Digital Art I

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: This course will introduce the computer as an artist's tool. The elements and principles of design will be used to create two dimensional artworks. Programs such as Photoshop will be explored.

Course Title: Digital Art II
Term: One semester
Credit: 0.5
Prerequisite: Successful completion of Digital Art I
Description: Enhancing skills from Computer Graphics I, digital cameras, and advanced capabilities in the Photoshop program will be the emphasis of this course.

Course Title: Digital Photography I
Term: One Semester
Credit: 0.5
Prerequisite: Successful completion of Studio Art or one full credit of art
Description: This course will introduce the camera as an artist's tool. Students will work with both current Digital SLR cameras and experiment with traditional darkroom printing to understand the full range of photographic possibilities.

Course Title: Digital Photography II
Term: One Semester
Credit: 0.5
Prerequisite: Successful completion of Photography I
Description: This course is designed to develop technical and artistic competence with a digital camera and editing software. Students will learn to create a series of photographs that work together as a cohesive body of work. Completed photographs will be presented in a variety of formats such as a student design photo book.

Course Title: Drawing & Painting I
Term: One semester
Credit: 0.5
Prerequisite: Successful completion of Studio Art or one full art credit
Description: Concepts of gesture, contour line, shading and perspective will be explored using still life, figure drawing and imaginative subjects. Mediums used will include pencil, charcoal, markers, pastel, color pencil, oil pastel, and ink. Exploration of color, hue, and value using tempera, watercolor, acrylic and oil paint will be included in this course.

Course Title: Drawing & Painting II
Term: One semester
Credit: 0.5
Prerequisite: Successful completion of Drawing and Painting I
Description: Advancement of techniques in creating the illusion of form, light, texture and space in drawings and painting. Students will work on canvas and a variety of art papers to create skillful solutions to design problems.

Course Title: Interior Design
Term: One Semester
Credit: 0.5
Prerequisite: Successful completion of Studio Art or one full art credit
Description: Students will learn the fundamental aspects needed to learn the concepts of Interior Design. Beginning levels of color theory and pattern developing will be discussed and applied to the students projects. Students will learn about perspective. Students will both draw out the rooms and 3D model the rooms. Computers will also be used to create interior spaces. Sketchbooks will be used to aid in analyzing artworks, keeping notes, and experimenting with media and new techniques.

Course Title: Studio Art
Term: Full year course
Credit: 1.0
Prerequisite: None

Description: This course is a foundation Art course that will be broken down into four aspects of art. 1. Studio Art - This aspect of art will examine the elements and principles of art. The elements and principles of art will be used to analyze and create artwork. Projects will include drawing, painting, and printmaking. 2. Art Theory - This aspect of art will examine the historical element of art from Prehistoric Art to Contemporary Art. Projects will include learning about each time period of Art through slides, pictures, and discussions then create artwork based on that period. 3. Digital Art - This aspect of art will examine and develop the basic skills and understanding of computer art. Projects will use a variety of software and digital cameras to expand the student's knowledge of the elements of art and principles of art. File management and basic computer skills will be stressed. 4. Ceramics This aspect of art will examine 3-dimensional design.

Course Title: Textiles I/Fashion
Term: One Semester
Credit: 0.5

Prerequisite: Successful completion of Studio Art or one full art credit

Description: This course is based on fashion. The students will be involved in learning how to draw the fashion figure. The beginning levels of sewing will be introduced. Possible fashion careers will be discussed.

Course Title: Textiles II/Fashion
Term: One Semester
Credit: 0.5

Prerequisite: Successful completion of Textiles I

Description: This course will build on the concepts and principles explored in Textiles I. Pattern making will be explored. Advanced textiles techniques such as fabric dyeing will also be explored. Students will develop an understanding of the different careers available to them in fashion.

ENGLISH

Course Title: AP English Language and Composition

Term: Full Year

Credit: 1.00

Prerequisite: Successful completion of English 10. For **Juniors only**. Students should be able to read and comprehend college level texts and be strong writers that use the conventions of Standard Written English in their writing

Description: AP English Language and Composition aligns to an introductory college level rhetoric and writing curriculum, which require students to develop evidence - based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments using appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non fictional texts, from many disciplines and historical periods. In May, you must take the AP English Language and Composition Exam. 3 hours and 15 minutes. The exam is a 55 multiple choice questions and three essay exams that demonstrate their skill in rhetorical analysis, argumentation, and synthesis of information from multiple sources to support the student's evidence based argument. All students will be required to take the AP exam In May. The cost of the AP exam is paid by the student. The cost is determined by the college board. Approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

Course Title: AP English Literature and Composition

Term: Full Year Course

Credit: 1.00

Prerequisite: Successful completion of English 11. **For Seniors only**

Description: Designed to address the needs of potential top college level students, AP English examines and analyzes a wide variety of novels, short stories, poems, essays, and other genres of literature encompassing the scope and breadth of the literary canon. Major works include novels by John Steinbeck, Ernest Hemingway, Gabriel Garcia Marquez and prominent others. The study of drama includes plays dating from Sophocles and continuing to the present day, with a particular emphasis on the works of William Shakespeare. Works by Romantic and Victorian poets are also stressed. Other vital literary elements, including motifs, archetypes, and symbols will be studied, and students will expand their knowledge and interpretation of the many schools of literary criticism. In May students will take the AP exam. The cost of the AP exam is paid by the student. The cost is determined by the college board. Approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

Course Title: Creative Writing

Term: One semester

Credit: 0.5

Prerequisite: Completion of grade 9

Description: Find your voice! Creative Writing will give you a chance to express yourself in a way you want to be heard! Learn how to write in a variety of genres by exploring the techniques of the greats and valuing the originality of your peers. See your ideas come to life through drafts, and use constructive criticism to evaluate, edit, revise, and polish your poems, shorts stories and drama. Everyone has a story to tell--don't let yours go unwritten!

Course Title: DCC English 101/102

Term: Two (2) Semesters – 12th grade core English or college placement

Credit: 1.00 High School Credit and 6 (6) SUNY Credits contingent upon achieving a C or higher.

Prerequisite: High School GPA (freshman through junior year) of 85 or better, June English Regents score of 85 or better, teacher recommendation, and completion of summer reading and assignment by due date.

Description: English 101 is a course designed to develop students' abilities to write narration, description, definition, compare/contrast, analysis, division and classification, process, cause and effect, argument and persuasion by using sound strategies that complement the writing process (prewriting, planning, draft, revision, second draft, final essay) and master the conventions of standard English. English 101 covers MLA conventions and a research paper is required. Critical thinking and reading skills are also stressed. These skills will help to prepare students for subsequent college courses and eventual careers. English 102: Prerequisite: English 101 with a grade of C or better. English 102 is a continuation of English 101, with further study of the resources of the language through a critical analysis of imaginative forms of writing. Emphasis will be placed upon well-organized written composition, factually-supported conclusions, and awareness of language variety. Effectiveness of expression and validity of judgment in the student's writing are stressed. Genre reading will include fiction, poetry, and drama. Students will apply writing styles instructed in English 101: compare/contrast, persuasion/argument, definition, description, cause and effect and analysis.

Course Title: English 9

Term: Two semesters

Credit: 1.00

Prerequisite: English 8

Description: This course is an introduction to literature. It is designed to help students become better readers, writers. Listeners and speakers. The goal of this class is to prepare students for the more demanding requirements of English 10 through 12. Students will explore many genres of literature, including short story, novel, non fiction, drama, poetry, memoir and Shakespeare. Emphasis is placed on independent reading and writing, which includes grammar and vocabulary development. Writing will focus on essay structures and citing research. Skills will focus on close reading, annotating text, text based questioning, and evidence based answers. Instruction will align to Common Core and NYS standards.

Course Title: English 9H

Term: Two semesters

Credit: 1.00

Prerequisite: English 8 Honors (85 or above average) or English 8 (90 or above average), Teacher Recommendation

Description: Students will be fluent in the vocabulary of literature. They will understand, analyze, synthesize, and evaluate various forms and genres of text. The goals, objectives, and assessments for students in reading, writing, listening, and speaking will encompass critical thinking skills and the college readiness aims of the common core standards for English Language Arts. Units of study will include short stories, poetry, mythology, research, novels, and Shakespeare. The honors curriculum is thematically focused and honors students can expect to cover material in greater depth and scope at a faster pace, requiring deeper reflection. An increased focus on critical analysis, exploration of content, critical thinking, research, application, and synthesis will be emphasized. Instruction will align to Common Core and NYS standards.

Course Title: English 10

Term: Two semesters

Credit: 1.00

Prerequisite: English 9

Description: This course continues to expand students' skills in the appreciation and analysis of literature through reading, writing, listening and speaking. Students will read short stories, novels, essays, poetry, drama and nonfiction articles. Students will read and annotate text to support comprehension and analysis. Students will present information, findings and supporting evidence clearly, concisely, and logically. Students will be able to write formulaic essays for different purposes and audiences. Students will be able to cite research in MLA format through research (*cont*) assignments. Students will incorporate domain specific vocabulary in written and verbal responses. Instruction will align to Common Core and NYS standards.

Course Title: English 10H

Term: Two semesters

Credit: 1.00

Prerequisite: English 9 Honors (85 or above average) or English 9 (90 or above average), Teacher Recommendation

Description: English 10 Honors is designed to continue the intense rigor and high degree of critical thinking skills developed in English 9 Honors and associated with a course of this level. The curriculum provides an awareness of life experiences through literature in the form of the short story, drama, essay, poetry, nonfiction articles and the novel. Students will be engaged and exposed to an increased number of texts covering a wide range of literary genres through the use of a variety of modalities. Furthermore, students will be expected to explore the assigned literature with a deeper degree of analysis and critical thinking. Writing assignments for English 10 Honors include on-demand writing, writing to learn, response to text, research assignments, and creative writing. These assignments will act to support the discussion and analysis of the covered literature and they will be used to display levels of student understanding and writing fluency. Students will also annotate text and develop student questions for discussion and analysis. Instruction will be aligned to Common Core and NYS Standards.

Course Title: English 11R

Term: Two semesters

Credit: 1.00

Prerequisite: English 10

Description: This course provides a survey of all genres of American writing from the colonial period to the present. Special emphasis is given to multiculturalism in twentieth century literature. Vocabulary and study skills will be emphasized to enable students to approach college level work and prepare for the SAT and NYS Regents. Students will annotate text and cite textual evidence to increase comprehension and analysis while close reading. Writing will focus on essays for argument, the writer's craft and central ideas, as well as research assignments. Instruction will be aligned to Common Core and NYS Standards.

Course Title: English 12

Term: Two semesters

Credit: 1.00

Prerequisite: English 11

Description: The English 12 curriculum will include units of study in world mythology, classical literature, Shakespeare, modern novel, drama, non fiction, informative texts and essays, poetry, multicultural texts and units on informative writing, persuasive and argumentative writing, narrative writing, and a project demonstrating proficiency with modern research. "To become college and career ready, students must grapple within works of exceptional craft and thought whose range extends across genres, cultures and centuries" (Common Core State Standards Initiative.) "Through wide and deep reading of literature and literary non fiction of steadily increasing sophistication, students gain a reservoir of literary and cultural knowledge, references, and images; the ability to evaluate intricate arguments; and major works will allow students the opportunities for academic advancement that will result in preparedness and competence in both the college and work worlds. They will allow the student the opportunity to "know thyself." Selections for the literature appreciation component include Enrique's Journey, the Pulitzer Prize winning biography that chronicles the experiences of a Central American boy who illegally enters America. It was the number one read on college campuses. The contemporary Pulitzer Prize winning play Rent will be a core piece that combines drama and poetry, as well as Shakespeare's Hamlet. Other core units will include world mythology, Oedipus Rex, essays, and Kafka's Metamorphoses. 60% of the curriculum will be common core and 40% of the curriculum will be determined by the teacher based on the composition and needs of the individual classroom. Available texts for possible inclusion include Tuesdays with Morrie, The Canterbury Tales, Crime and Punishment, Death of a Salesman, Life of Pi, Lost in Yonkers, Don Quixote, Jane Eyre, One Flew Over The Cuckoo's Nest, Siddharta, Clockwork Orange, the Romance of Tristan and Iseult, Beloved, Schindler's List, Promise to Remember, King Lear, and The Morte D'Arthur. Students will work in Tandem to meet readiness expectations for college and the world of work. Text types shall include arguments that use valid reasoning, and sufficient evidence, informative/explanatory (*con't*)

texts to examine and convey complex ideas, concepts and information clearly and accurately through the effective selection, organization and analysis of content. Students will write narratives that develop real or imagined events using effective techniques, well chosen details, and well structured sequences. Students will produce clear and coherent writing that is appropriate to the task, purpose and audience, develop and strengthen writing by planning, revising, editing, rewriting or trying a new approach and use technology, including the Internet, to produce, publish, and update products in response to ongoing feedback. All twelfth grade students will produce a research project in response to a designated prompt.

Course Title: Film as Literature

Term: One semester

Credit: 0.5

Prerequisite: English 9

Description: Are you a film buff? Do you enjoy picking apart a movie with your friends or family? In this course we will engage with quintessential films that have made a lasting impression on American society from the 1930s to the present in order to analyze what cinema can tell us about cultural and social values at those moments in time. Students will be required to be active participants in film viewings and discussion. The course aims to sharpen students' analytic skills, to give them a sense of the history and cultural significance of movies, and to improve their writing through their own reviews of films and analyses of the dramatic, cinematic and narrative aspects of films

Course Title: Horror in Film and Fiction

Term: One semester

Credit: 0.5

Prerequisite: English 9

Description: "The oldest and strongest emotion of mankind is fear, and the oldest and strongest kind of fear is fear of the unknown." - HP Lovecraft

What scares you? Both horror films and fiction explore our deepest personal anxieties and our most profound social fears. As a result, the genre of horror tells us more about ourselves and our society than perhaps any other genre. This course is designed to provide an historical introduction to horror and how both literature and film are a reflection of societal fears throughout time. Lectures and activities will cover classic horror, from its beginnings with *Dracula* (1931) to recent films such as *A Quiet Place* and *Bird Box* (2019). We will discuss works written by Edgar Allen Poe, HP Lovecraft, Stephen King, and other horror enthusiasts. Step into a class where history, psychology and fear, all come to haunt you. This class is for juniors and seniors.

Course Title: Journalism

Term: One semester

Credit: 0.5

Prerequisite: Must have successfully passed English 9

Description: Are you interested in the news? Do you want to spill the tea? This course is for you! This survey course will provide an overview of news journalism, its history, future and role in a democratic society. It will cover the basics of journalism; its values, principles, law, ethics, best practices, format writing and reporting.

Course Title: Magical Realism

Term: One semester

Credit: 0.5

Prerequisite: Must have successfully passed 9th grade

Description: This course will introduce students to an exciting literary genre and take them on an exploration of the fantastical (magical) in every day, realistic story settings. Students will have an opportunity to consider the nature of reality and examine their own beliefs and values. This course will explore magical realism through various texts that not only expose students to a new genre, but will also enrich student thinking on topics related to our current moment in history: specifically, the rise of the feminine voice and the diverse nature of the American experience, particularly through the Native American perspective.

Course Title: Multicultural Literature

Term: One semester

Credit: 0.5

Prerequisite: English 9

Description: Are you interested in diverse heritages? Do you enjoy stories from around the world? Students in Multicultural Literature will learn that all societies share cultural traditions, values, and political ideals. A strong America recognizes and respects the cultures of its diverse peoples united within a framework of democratic values that are shared by all. Works featured in this course have culturally based themes, written by authors from diverse cultures.

Course Title: Sports Literature

Term: One semester

Credit: 0.5

Prerequisite: English 9

Description: Examine sports themes as expressed in films, fiction, and poetry, with special emphasis on themes that can be compared with real athletic experiences. These themes include, but are not limited to: heroes in American sport; youth and aging in sport; sport in the country and the city; nationalism, racism, and sexism in sport; the individual versus the community (team) in sport; and humor and poetry. The student will explore recurring themes that are often evident in sports stories and compare and contrast experiences that actually occur in non-fiction with the fictional stories that have been assigned. The student should be able to express in oral and written form specific narratives that define sport experiences.

Course Title: Theater Production

Term: One semester

Credit: 0.5

Prerequisite: None

Description: If all the world is a stage, someone has to build the set and light it! The behind-the-scenes people who produce the magic of a production sometimes steal the spotlight from the actors who perform it! A hands-on approach to learning, this course will expose students to the multi-faceted world of theater and focus on those behind-the-scenes jobs. Students will study and engage in a variety of activities that are necessary for live productions: set building, lighting design and operation, costume design and construction, house management, advertising, writing, directing and stage management.

ENGLISH AS A NEW LANGUAGE

Beacon High School has successfully introduced its newly designed ENL program with goals to prepare LEP/ELL students to meet the *revised Teaching of Language Arts to Limited English Proficient/English Language Learners*, as well as the standards in English and content areas to pass the five required Regents exams. Through intensive instruction, students will develop skills in listening, speaking, reading and writing for:

1. Information and understanding
2. Literary response and expression
3. Critical analysis and evaluation
4. Social interaction
5. Cross cultural knowledge and understanding

Course Title: ENL Skills

Term: Two Semesters

Credit: 0.0

Prerequisite: Non-English speaking or limited ENL English proficiency as determined by the above evaluation process or support for exiting ENL students.

Description: This course meets for one daily period or every other day as time permits as a support period (s) to ENL students.

Course Title: ENL

Term: Two Semesters

Credit: 0.0

Prerequisite: As determined by the above evaluation process or support for exiting ENL students

Description: Students who require services based on testing will be in an integrated English class.

HEALTH

Course Title: Health

Term: One semester

Credit: 0.5

Prerequisite: None

Description: Health is a course required of all high school graduates. The course includes topics of personal, social and mental health along with topics relating to the quality of life in general. Parenting Education, nutrition, disease, drugs, alcohol, tobacco, mental health, consumer health and public health are among the topics included in the course of studies. Class participation, an outside class project and a final examination are requirements for this course to be successfully completed.

LANGUAGES OTHER THAN ENGLISH (LOTE)

Course Title: Italian II

Term: Two semesters

Credit: 1.00

Prerequisite: Italian I

Description: This course elaborates on those skills introduced in the beginning level. Students are becoming more proficient orally and are encouraged to demonstrate this proficiency through other motivating activities. A basic text and reader for vocabulary expansion and comprehension are used. Students read longer and more elaborate Italian selections. There are oral and written supplementary activities which provide students with an opportunity for free conversation and creative writing.

Course Title: Italian III

Term: Two semesters

Credit: 1.00

Prerequisite: Italian II and/or Teacher Recommendation

Description: Skills development in comprehension, speaking, reading and writing is stressed. Emphasis is placed on oral communication and expansion of grammar presented in levels I and II. Students read longer and more complicated passages from literary pieces. There is a major oral and written supplementary project aimed at providing the student with an opportunity for free conversational and creative writing. Abundant practice materials for the local assessment are provided during the course of the second semester.

Course Title: Spanish I

Term: Two semesters

Credit: 1.00

Prerequisite: None

Description: Beginning language students are immersed in the language and culture of Spain and Latin America through a variety of activities in the areas of listening, speaking, reading and writing. Songs, skits and multimedia technology will be included. There will be an emphasis on theme related vocabulary such as family, weather, time expressions, traveling, going shopping, etc. This everyday practical vocabulary will be used in dialogues and question-answer sessions throughout the entire year.

Course Title: Spanish II

Term: Two semesters

Credit: 1.00

Prerequisite: Spanish I or Spanish 8 and a 65% or better on the local assessment

Description: This course elaborates on those skills introduced in the beginning level. Students are becoming more proficient orally and are encouraged to demonstrate this proficiency through other motivating activities. A basic text and reader for vocabulary expansion and comprehension are used. Students read longer and more elaborate Spanish selections. There are oral and written supplementary activities which provide students with an opportunity for free conversation and creative writing.

Course Title: Spanish III

Term: Two semesters

Credit: 1.00

Prerequisite: Spanish II and/or Teacher Recommendation.

Description: Skills development in comprehension, speaking, reading and writing is stressed. Emphasis is placed on oral communication and expansion of grammar presented in levels I and II. Students read longer and more complicated passages from literary pieces. There is a major oral and written supplementary project aimed at providing the student with an opportunity for free conversational and creative writing. Abundant practice materials for the local assessment are provided during the course of the second semester.

Course Title: DCC Spanish 201

Term: One semesters

Credit: 0.5 (3 DCC Credits)

Prerequisite: Spanish III with a grade of 85 or better and a grade of 80 or better on the Spanish 3 or IV final exam and a Teacher Recommendation.

Description: A thorough review of Spanish grammar plus intensive reading and discussion of several short stories. Several poems are also read and discussed as well as assorted articles of current political, cultural or literary significance.

Course Title: DCC Spanish 202

Term: One semesters

Credit: 0.5 (3 DCC Credits)

Prerequisite: DCC Spanish 201

Description: A continuation of the work begun in Spanish 201: a thorough review of Spanish grammar plus intensive reading and discussion of several short stories. Several poems are also read and discussed as well as assorted articles of current political, cultural and literary significance.

MATHEMATICS

Course Title: Algebra B

Term: Two Semesters

Credit: 1.00

Prerequisite: Algebra A

Description: This course covers the remainder of the NYS Common Core Algebra curriculum that was begun in Algebra A. All students enrolled in this course will take the NYS Algebra I Regents exam in June. Topics include: Operations with Polynomials, Factoring, Quadratic Functions, Roots and Irrational Numbers, Statistics and Transformations. A graphing calculator (TI-83 or 84) is required for this course.

Course Title: Algebra R

Term: Two Semesters

Credit: 1.00

Prerequisite: 8th grade Math

Description: This course covers the entire NYS Common Core Algebra curriculum. All students enrolled in this course will take the NYS Algebra I Regents exam in June. Topics Include: Linear Expressions, Equations, and Inequalities, Functions, Linear Functions, Systems of Linear Equations and Inequalities and Exponential Functions, Operations with Polynomials, Factoring, Quadratic Functions, Roots and Irrational Numbers, Statistics and Transformations. A graphing calculator (TI-83 or 84) is required for this course.

Course Title: Algebra II

Term: Two Semesters

Credit: 1.00

Prerequisite: Geometry , or Geometry R

Description: This course is designed to give students a foundation in Algebra II. Topics include algebraic expressions, radicals/absolute value, complex numbers/quadratics, relations/functions, radians, reference angles, co-functions and trig applications. Students who perform well in this may be able to advance to Common Core Algebra II. A TI-84 graphing calculator is used in this course.

Course Title: Algebra IIR

Term: Two Semesters

Credit: 1.00

Prerequisite: Geometry R or Algebra II (only with a written Teacher Recommendation)

Description: This course is the 3rd year of the 3-year Common Core NYS sequence of Math courses. Passing the Algebra II Regents exam is required for those seeking an Advanced NYS diploma. Topics covered include: Polynomial/Radical/Relational Relationships, Functions, Trig Functions, Probability and Statistics. To be successful in this course students need a high level of Mathematical sophistication and have strong study habits. Students are required to have a graphing calculator (TI-83 or TI-84) for this course.

Course Title: AP Computer Science Principles

Term: Two Semesters

Credit: 1.00

Prerequisite: Computer Science Essentials

Description: Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the internet. Projects and problems include development, visualization of data, and simulation. Students must take Computer Science Essentials before enrolling in this course. All students will be able to take the AP exam in May. The cost of the AP exam is paid by the student. The cost is determined by the college board. Approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

Course Title: Computer Science Essentials

Term: Two Semesters

Credit: 1.00

Prerequisite: None

Description: Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block based programming and seamlessly transition to text - based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Course Title: Dutchess Community College Elementary Statistics (DCC- MAT118)

Term: Two semesters

Credit: 1.00, 3.00 college credits

Prerequisite: 85 or above in Algebra II R or teacher recommendation

Description: Basic statistical procedures are developed. Topics include descriptive statistics, hypothesis testing and confidence intervals and regression using both simulation and a theory-based approach. Technology will be used regularly throughout the course.

Course Title: Dutchess Community College Pre-Calculus (DCC - MAT185)

Term: Two semesters

Credit: 1.00 high school credit, 4.00 college credits

Prerequisite: Algebra IIR with a continuous class average of 85

Description: This course is intended primarily for students planning to take Calculus. Topics include a study of functions, specifically: linear, inverse, quadratic, composite, exponential, logarithmic, trigonometric, power, polynomial, rational, root and their characteristics and transformations. Modeling and data analysis techniques are also employed. Conceptual understanding is emphasized and algebraic skills are reinforced throughout the course. The primary objective of this course is to provide the student with the language, mathematical skills and conceptual thinking skills necessary to succeed in the calculus sequence. Two additional goals are a thorough introduction and development of trigonometric concepts and familiarizing the students with techniques to effectively read a mathematics textbook or comprehend info presented in a mathematics video. Students are required to have access to a graphing calculator (TI-84) for use for class work, homework and testing situations, though there will be some exams where use of a graphing calculator is not allowed. Withdrawals and grades earned in DCC classes will remain on official school transcripts possibly affecting access to financial aid and acceptances in other programs.

Course Title: Dutchess Community College Calculus (DCC - MAT 221)

Term: Two semesters

Credit: 1.00 high school credit, 4.00 college credits

Prerequisite: DCC MAT185 PreCalculus with a continuous class average above 85.

Description: This course is the first of a multi-semester college-level sequence developing Calculus for the student majoring in engineering, mathematics or the sciences. Topics include limits, continuity, the derivative, differentiability, antiderivatives, the definite integral, the Fundamental Theorem of Calculus, techniques of differentiation (including for transcendental functions), applications of differentiation and integration, mathematical modeling and computer applications. Students are required to have access to a graphing calculator (TI-84) for use throughout the year. Students are responsible for having their calculator available for class work, homework and testing situations, though there will be some exams where use of a graphing calculator is not allowed. Use of a Computer Algebra System (Mathematica - using Wolfram coding) is required in order to create professional project reports intertwining both mathematical explanations with supporting calculated tabular values and graphic representations. Each student will be granted access to this coding system in class. Withdrawals and grades earned in DCC classes will remain on official college transcripts possibly affecting access to financial aid and acceptances in other programs.

Course Title: Financial Math

Term: One Semester

Credit: 0.5

Prerequisite: Algebra B, Geometry, or Algebra II

Description: This course is designed to contain information the students can use now and in the future. The students will employ algebra skills to help manage their own finances. Topics include gross pay, net pay, banking, credit cards, budgets, housing and transportation costs, insurance and investments.

Course Title: Geometry

Term: Two Semesters

Credit: 1.00

Prerequisite: Algebra B or Algebra R

Description: This course is designed to give students a foundation in the fundamentals of Geometry. Students who perform well in this course may be able to advance to the Regents level Geometry course in the following year. Topics include: Angles (Categories, Interior, Exterior), Triangles, Parallel/Perpendicular Lines, Polygons, and Triangle Proofs including CPCTC. Non Regents level.

Course Title: Geometry R

Term: Two Semesters

Credit: 1.00

Prerequisite: Algebra R, Geometry (only with a written teacher recommendation) or Algebra B (only with a written teacher recommendation). In addition, a minimum grade of 70 on the Algebra I Regents is required.

Description: This course will cover the NYS Common Core Geometry curriculum. It is a rigorous course involving extensive work with proofs. The course will lead to the NYS Geometry Regents exam in June. Topics include: Geometry Proofs (many!), CPCTC, Parallelograms, Coordinate Geometry w/Proofs, Constructions, 3-Dimensional Solids, and Similarity. This is a writing-intensive course which requires the students to be able to reason logically. A TI-83 or TI-84 graphing calculator is required for this course.

Course Title: Math/Technology (M/T)

Term: One Semester

Credit: 0.5

Prerequisite: Algebra B, Geometry, or Algebra II

Description: Math/Technology is designed to give the student computer skills to either go on to higher education or to join the workforce. The course is intended for seniors. It is a project-based course that integrates Math into real world applications. Students will do individual as well as group projects which will all require the use of a computer. Students will learn computer skills throughout the semester and are required to apply them through Microsoft Office and Google Suite projects.

MUSIC/PERFORMING ARTS

Course Title: AP Music Theory

Term: Two Semesters

Credit: 1.00

Prerequisite: Music Theory

Description: AP Music theory is a challenging course for serious musicians. It culminates with the AP Music Theory exam which can count as college credit. The prerequisite of Music Theory is strongly recommended to pass this class. AP Music Theory subjects include notation, all scales, all chords, sight singing, figured bass and music analysis.

Course Title: Chorus

Term: Two semesters

Credit: 1.00

Prerequisite: None

Description: This course strives to develop a high level of vocal performance while enjoying singing and learning to participate in an organized group. Vocal skills such as proper diction, intonation and breathing are emphasized. Concert participation is required. Students will be involved in school performances and concerts in the community. This course is open to students who behave well and enjoy singing. The chorus will perform in at least three (3) required concerts each year.

Course Title: Concert Band

Term: Two Semesters

Credit: 1.00

Prerequisite: Minimal playing experience

Description: This course is for students interested in playing in a school band. Participation in Marching Band is required for all students enrolled in Concert Band. Students will be pulled from their classes once a week on a rotating basis to attend lessons. The band will be involved in at least six (6) performances each year. All performances are scheduled after school and attendance is mandatory.

Course Title: Guitar

Term: One semester

Credit: 0.5

Prerequisite: None

Description: Guitar is a one semester course covering the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing the guitar at the beginning level through studying music notation, chord symbols and peer modeling. A brief history of the guitar along with its respective musical styles will also be covered in this course. An acoustic guitar which is kept at BHS will be provided for this course.

Course Title: Music Theory

Term: Two Semesters

Credit: 1.00

Prerequisite: Vocal or instrumental via Concert Band, Concert Choir, or outside musical experience is required. This course is designed for those students pursuing a sequence in music and/or wish to expand their musical foundation.

Description: A course introducing the motivated music student to the study of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and to some extent, musical history and style. Critical musicianship skills are developed in the process such as dictation, listening skills and sight-singing.

Course Title: Music Production

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: Students will discover and explore introductory concepts used in audio recording, arranging, remixing, creating MIDI tracks and mixing. No prior musical experience is needed, however, having training on an instrument or voice is helpful. Students will create music using music editing software and keyboards. Students interested in the current methods of music creation and production should consider taking this course.

PHYSICAL EDUCATION

Course Title: Physical Education 9 Health Related Fitness

Term: Two semesters (every other day)

Credit: 0.5

Prerequisite: None

Description: Students will be studying the 5 components of health-related fitness including Muscular Strength, Muscular Endurance, Flexibility, Cardiovascular fitness and Body Composition. In addition, all students will have the opportunity to receive CPR/First Aid certification and will obtain the necessary skills to develop a personal fitness plan.

Course Title: Physical Education

Term: One semester (every other day)

Credit: 0.25

Prerequisite: Successful completion of PE 9

Description: Students will have the opportunity to participate in various forms of physical activity that will promote an active and healthy lifestyle. Activities will include team sports, games, and alternative forms of exercise. Students must complete two full credits in Physical Education over a four year period to meet New York State graduation requirements. Students need to take one PE class each semester.

Course Title: Adapted Physical Education

Term: Two semesters (every other day)

Credit: 0.5

Prerequisite: CSE Committee Recommendation

Description: This course will provide students with emotional and physical limitations, a modified PE Program. This course will consist of a variety of foundation based units with modifications in which students will acquire skills and strategies of problem solving, goal setting and cooperative learning as well as units in aquatics, dance, personal fitness and individual and team sports. The curriculum has been developed to comply with New York State, National and Beacon High School standards.

SCIENCE

Course Title: AP Biology

Term: Two semesters

Credit: 1.00

Prerequisite: Completion of Living Environment R, Chemistry R. Maintain a minimum science average of 85.

Description: This course is designed to engage students at the same level as a first year Biology course in college. The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. It contains 40% more material than a standard Regents course. Due to the fast pace and depth of material, large amounts of work outside the classroom will be required of participants. Topics of this course include molecular and cell biology, genetics, evolution, plant biology and animal physiology. All students will also be required to take the AP exam in May. Successful scores on the AP exam may earn students college credit. For information regarding AP exam dates and fees, please visit the College Board website at <http://www.collegeboard.com>. The textbook and laboratory exercise are of college caliber. The course terminates with the required Advanced Placement Biology exam. Some colleges and universities will grant credit for scores of 3, 4 or 5 on the AP exam.

Course Title: Astronomy

Term: One semester

Credit: 0.5

Prerequisite: Completion of three science credits: Living Environment R, Earth Science R, and one other core science. Teacher approval if the course is to satisfy graduation requirements.

Requirement: Laboratory activities and field trips

Description: Students will study about ancient astronomers and their ideas as opposed to modern day thoughts and ideals. We will be looking at our planetary system, stars and stellar evolution, galaxies, charting the heavens and spectroscopy. The course may also include field trips to the American Museum of Natural History and the Lamont Doherty Observatory.

Course Title: Conceptual Chemistry

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of Living Environment R

Description: Students will earn a local credit in science which will be applied to a Regents Diploma. Course study will include topics in Chemistry such as matter and change, measurement, atomic structure, periodic trends, chemical names and formulas, chemical quantities, states of matter, behavior of gases, chemical bonding, chemical reactions, acids, bases and solutions. Non Regents level.

Course Title: Conceptual Earth Science

Term: Two semesters

Credit: 1.00

Prerequisite: Completion of Living Environment R

Description: Course of study will include meteorology, astronomy, geology, and dynamic earth processes. Laboratory activities are a part of the course. Non Regents level.

Course Title: Field Biology

Term: One semester

Credit: 0.5

Prerequisite: None

Requirement: Open to students in grades 9 to 11

Description: Students will have the opportunity to go outside to do field work and engage in an agriculture curriculum. Activities will include building, planting, and maintaining an organic garden, winter, fall, and spring tree identification, invasive species remediation, aquatic ecosystem studies with field trips to the Hudson River and Fishkill Creek, litter removal, environmental outreach, local ecosystem studies, and citizen science projects including bird counts and collecting climate data. Students enrolled in this course will have to be ready to dig in the dirt and go outside in any weather.

Course Title: Forensic Science

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: Forensic Science is intended for grades 9 - 11. This course is to be taken after successful completion of Living Environment Regents course. Forensic Science is the application of science to the law and encompasses various scientific disciplines. This course will introduce various methodologies and applications used in the forensic context. This course covers topics such as the discovery, recognition, observation, identification, and collection and comparison of physical evidence, including a review of various current techniques in the testing of physical evidence. Our focus will be to learn the basic concepts of Biology, as it applies to the basic concepts of Forensic Science. You will learn to apply the scientific method, do hands-on lab activities, class work and projects. Each lab activity will show you more clearly some of the techniques we will be talking about in class so that you can see for yourself science in action.

Topics Covered

1. Observational Skills
2. Crime-Scene Investigation and Evidence Collection
3. Fingerprints
4. DNA Fingerprinting
5. Blood and Blood Spatter
6. Ballistics
7. Drug Identification and Toxicology
8. Handwriting Analysis, Forgery, and Counterfeiting
9. Death: Meaning, Manner, Mechanism, Cause, and Time

Course Title: Human Anatomy

Term: One semester

Credit: 0.5

Prerequisite: Completion of three science credits: Living Environment R and two other core sciences. Teacher approval if the course is to satisfy graduation requirements.

Requirement: Laboratory activities and field trips

Description: An elective course designed to give students a concentrated study of the human systems. Topics covered: anatomical planes and sections, histology, skeletal, muscular, nervous, circulatory, respiratory, digestive and excretory and endocrine systems. Students will be exposed to various health professionals, videos, dissections and other laboratory activities. We also try to include a trip to the Bodies Exhibit. This course is a must for any student considering to be a health professional.

Course Title: Laboratory Investigation: STEM

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of regents Physics, strong math background, interest in continuing education in science, technology or engineering.

Description: This course will focus on science, technology, engineering and mathematics through research and laboratory study. You will analyze, demonstrate and explain different scientific concepts using equipment provided in a laboratory setting. You will also design and build objects that are required to complete a specific task. Grades will be determined by how successful you are at completing a task and by the presentations you give at the end of each challenge.

Course Title: Laboratory Skills

Term: One semester

Credit: 0.5

Prerequisite: None

Requirement: Open to students in grades 9 to 11

Description: Course will meet CDOS credentials. This comprehensive course will help students who wish to pursue a career as a lab technician, or research technician in Biotechnology, pharmaceutical, medical facility, or Universities. Students will be exposed and trained in various laboratory practices and skills.

Course Title: Living Environment R

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of Science 8

Requirement: NYS Laboratories are mandatory for admittance to Regents examination

Description: This course will cover the NYS Living Environment syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Living Environment component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. This course covers basic similarities in living things as well as the unity and diversity of life. Emphasis is placed on the relationship of living things to one another, biochemistry, the structure and function of cells, homeostasis, genetics and evolution. Students must successfully complete both the course and the Regents to get credit for the course.

Course Title: Marine Biology

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Living Environment R.

Description: Marine Biology is the scientific study of the plants, animals, and other organisms that live in the ocean. The course of study will include principles of marine science, marine life, marine activities, exposure to various professionals and audiovisual presentations.

Course Title: Physical Settings/Chemistry R

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of Living Environment R and concurrent enrollment or successful completion of Geometry.

Requirement: NYS Laboratories are mandatory for admittance to the Regents examination.

Description: This course will cover the NYS Physical Setting/Chemistry syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Physical Settings/Chemistry component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. This course is for a sequence in science toward the Regents and/or Advanced Regents Diploma. The course presents a modern view of chemistry covering topics (*cont.*)

such as matter and energy, atomic structure and bonding, the periodic table, mathematics of chemistry, kinetics and equilibrium, acid-base theories, electrochemistry and organic chemistry. The students must successfully complete both the course and the Regents examination to get Regents credit for the course.

Course Title: Physical Setting/Earth Science R

Term: Two semesters

Credit: 1.00

Prerequisite: Completion of Living Environment R, Concurrent enrollment or successful completion of Geometry

Requirement: NYS Laboratories are mandatory for admittance to the Regents examination.

Description: This course will cover the NYS Physical Settings/Earth Science syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Physical Settings/Earth Science component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. Earth Science is an integrated, interdisciplinary course that considers the earth, its materials, processes, history and environment in space. The students must successfully complete both the course and the Regents examination to get Regents credit for the course.

Course Title: Physical Settings/ Physics R

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of Living Environment R, Chemistry R and/or Earth Science R.

Requirement: NYS Laboratories are mandatory for admittance to the Regents examination.

Description: This course will cover the NYS Physical Settings/Physics syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Physical Settings/ Physics component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. This course is for a sequence in science toward the Regents and/or Advanced Regents Diploma. The course topics include the study of matter and energy with emphasis in mechanics, wave phenomena including light and sound, electricity and magnetism and atomic and nuclear physics. The students must successfully complete both the course and the Regents examination to get Regents credit for the course.

Course Title: Science Research Literacy I

Term: One semester

Credit: 0.5

Prerequisite: None

Requirement: Open to students in grades 9-12

Description: Have you ever thought of a really great question that a search engine can't answer to your liking? Then you're probably ready for Science Research. This course offers the opportunity to solve problems using a systematic thought process. Students will learn and apply the core skills of scientific inquiry and apply those skills by completing a research project. Students conduct primary research on a topic, formulate testable predictions and continue by designing a method to carry out their own experiments. Basic statistical analysis will allow students to draw valid conclusions while communicating their findings to a broader audience through presentations and in writing. Students are required to submit a completed written research paper.

Course Title: Science Research II Sophomores and Juniors

Term: Full year

Credit: 1.0

Prerequisite: Successful completion of Science Research recommended. Special Permission required. The summer assignment must be completed prior to entry. Class meets each school day for the year.

Requirement: Open only to students entering grade 10

Description: Students build skills that are utilized directly when conducting original scientific research. Students also participate in various individual and team projects to refine their critical thinking, collaboration, and problem-solving skills. Each student will develop an individual research project. Sophomore students will generate a formal research proposal, which they will present and defend during the spring semester. Students develop networking strategies by identifying, contacting and interviewing potential mentors at universities and scientific institutions working in their area of interest. Students then work individually with their mentor(s) to refine and crystallize their research topic into a specific avenue of research. Students are guided through each stage of the process: narrowing the scope of research that interests them, methodology, laboratory skills, scientific writing, peer review and communication of their research. It is expected that students complete the three-year science research sequence. Students generally complete their research with the mentor(s) over the summer between sophomore and junior year. Junior research students continue to work with their mentor(s) completing their research and writing a research paper. Senior research students continue communicating their findings by mentoring other students and entering their research into various symposia.

SOCIAL STUDIES/SOCIAL SCIENCE

Course Title: AP US History

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of Global History and Geography II

Description: This two semester course prepares students for the Advanced Placement Exam in May. It is the equivalent to the freshman level United States History survey course taught in colleges and universities. The course covers the time period prior to 1492 through today. Critical thinking abilities, careful reading comprehension, and analytical writing skills are integral to this course, as would be expected of university freshmen students. In addition, this course will focus on other aspects of government to align itself with the New York State Regents Exam in US History and Government, to be taken in June.

Course Title: Contemporary Issues

Term: One Semester

Credit: 0.5

Prerequisite: Successful completion of Global Studies II.

Description: This course will focus on the major social, political and economic issues which face the United States and the world today. Students will use a variety of sources of information to become informed of the major modern issues which face individual nations and the global community. An interactive approach will be used. A term project will be required for this course.

Course Title: Criminal Justice II

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Introduction to Criminal Justice

Description: This course continues and elaborates into the system and systematic relationships in discussing the functions of criminal law, police, courts, trials, prosecution and defense. Field trips and guest speakers will be an integral part of the experience.

Course Title: DCC Developmental Psychology 203

Term: One semester Credit : 0.5 (3 DCC Credits)

Prerequisite: Grade Requirement: 90% or above American History or 85% or above in AP History and 85% or above on June American History Regents Exam and 90% or above in Psychology. Teacher Recommendation/Department Review All students in DCC classes must maintain an 80% or above average in each quarter to remain in the class. SENIORS ONLY. Successful completion of Psychology 111.

Description: This course is a college-sanctioned course sponsored by Dutchess Community College. Successful completion will give students three Credits in psychology from D.C.C. These student interactive courses focus on the basic principles of psychology and psychological research. College level reading and research paper writing are essential.

Course Title: DCC Economics

Term: One Semester Credit : 0.5 (3 DCC Credits)

Prerequisite: Grade Requirement: 85% or above in American History Honors/AP or 90% or above in American History and/or 85% or above on June American History Regents Exam Teacher Recommendation/Department Review All students in DCC classes must maintain an 80% or above average in each quarter to remain in the class.

Description: This course is a college sanctioned course sponsored by Dutchess Community College. Students will learn the basic concepts of Microeconomics and Macroeconomics. Class discussion is a must skill as well as research skills

Course Title: DCC Government

Term: One Semester Credit: 0.5 (3 DCC Credits)

Prerequisite: Grade Requirement: 85% or above in American History Honors/AP and 90% or above in American History and 85% or above on June American History Regents Exam Teacher Recommendation/Department Review All students in DCC classes must maintain an 80% or above average in each quarter to remain in the class.

Description: This course is a college sanctioned course sponsored by Dutchess Community College. The government course will give students the concept of linkage institutions and of those groups who have the power to make decisions for the government. Class discussion is a must skill as well as research skills.

Course Title: DCC Psychology 111

Term: One semester Credit : 0.5 (3 DCC Credits)

Prerequisite: SENIORS ONLY. Successful completion of Psychology Grade Requirement: 90% or above American History or 85% or above on June American History Regents Exam and/or 90% or above in Psychology Teacher Recommendation/Department Review All students in DCC classes must maintain an 80% or above average in each quarter to remain in the class

Description: This course is a college-sanctioned course sponsored by Dutchess Community College. Successful completion will give students three Credits in psychology from D.C.C. These student interactive courses focus on the basic principles of psychology and psychological research. College level reading and research paper writing are essential.

Course Title: Economics

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of American History and Government

Description: Successful completion of this course is required for graduation in senior year. Topics covered will be appropriate for seniors to provide them with economic skills that will enable them to function as informed and economically literate citizens in society. Emphasis is placed on being an informed consumer.

Course Title: Food and Culture

Term: One Semester

Credit: 0.5

Prerequisite: Successful completion of Grade 9

Description: Explore the relationship between culture and the foods associated with certain groups of people. How has the economic and/or political culture in certain regions of the world has been influenced by the foods available to their citizens.

Course Title: Global Studies I

Term: Two semesters

Credit: 1.00

Prerequisite: Completion of Social Studies 8.

Description: Global Studies I is an intensive course instructing students in the history of the world from Prehistory until 1700. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the first part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. Students are encouraged to keep all notes and materials until they pass the Global Studies Regents Exam. Global Studies Regents Ready classes will focus on developing skills necessary to pass the Global Studies Regents Exam and analysis of materials to enrich the curriculum. Skills in essay writing and test taking will be sharpened for success on the Regents Exam.

Course Title: Global Studies IH

Term: Two semesters

Credit: 1.00

Prerequisite: Completion of Social Studies 8 with a 90% average, and teacher recommendation.

Description: Global Studies I is an intensive course instructing students in the history of the world from Prehistory until 1700. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the first part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. Students are encouraged to keep all notes and materials until they pass the Global Studies Regents Exam. Global Studies Honors classes assume that students have developed skills for social studies and will focus on enrichment activities and more in depth study of course material. Students will learn to sharpen writing and test taking skills and be required to complete assignments that prepare them for continuation in the Honors track in tenth and eleventh grade. Successful completion will result in receiving a weighted score for their GPA. Students enrolled in this course are expected to maintain a minimum 85% average each quarter, please consult the teacher on grade requirements.

Course Title: Global Studies II

Term: Two semesters

Credit: 1.00

Prerequisite: Completion of Global Studies I.

Description: Global Studies II is an intensive course geared toward instructing students in the history of the world from 1700- present. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the second part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. This Global Studies Regents Ready class will focus on developing skills necessary to pass the Global Studies Regents Exam and analysis of materials to enrich the curriculum. Skills in essay writing and test taking will be sharpened for success on the Regents Exam.

Course Title: Global Studies IIH

Term: Two semesters

Credit: 1.00

Prerequisite: Grade Requirement: 90% or above in Global History and Geography and 90% or above on Global I Final Exam and 85% or above in Global History and Geography Honors
Teacher Recommendation/Department Review

*All Students in Honors must maintain an 85% or above average in each of the four quarters to remain in the class.

Description: Global Studies II is an intensive course geared toward instructing students in the history of the world from 1700- present. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the second part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. Global Studies Honors classes assume that students have developed skills for social studies and will focus on enrichment activities and more in depth study of course material.

Students will learn to sharpen writing and test- taking skills and be required to complete assignments that prepare them for continuation in the Honors track in tenth and eleventh grade Successful completion will result in receiving a weighted score for their GPA. Students enrolled in this course are expected to maintain a minimum 85% average each quarter, please consult the course teacher on grade requirements.

Course Title: Great Conflicts in History

Term: One Semester

Credit: 0.5

Prerequisite: Successful completion of Global Studies I and II with a 75 plus average.

Description: This course will cover the causes and effects of the major wars in history. Ancient, Medieval and modern conflicts will be studied. Emphasis will be on wars from Napoleon to the present. Conflicts to be covered include but are not limited to, The 100 years, Napoleonic Wars, World War I and II. Study of the wars will analyze social, economic and political effects of these wars and their impact on the world today. A term project will be required for this course.

Course Title: Introduction to Criminal Justice

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Global Studies II

Description: This course will study the system and systematic relationships in discussing the functions of criminal law, police, courts, trials, prosecution and defense. Field trips and guest speakers will be an integral part of the experience.

Course Title: Participation in Government

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of American History and Government

Description: Successful completion of this course is required for graduation in senior year. This course is intended to encourage civic-minded citizens. The "office of citizens" is a fundamental part of any democracy. In-depth discussions on both national and international governments and their organizations are the essential part of the course. A term project is required.

Course Title: Political Science

Term: One Semester

Credit: 0.5

Prerequisite: Successful completion of Grade 9

Description: Introduce modern political issues with the goal of encouraging active classroom discussion and debate on current topics. Gain a better understanding of the US in the global context.

Course Title: Psychology

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Grade 9

Description: This course is an introduction to the basic concepts of psychology. Emphasis is placed on helping the student learn more about the mind and behavior. Topics include: infancy, childhood, adolescence, memory, abnormal behavior, intelligence, etc.

Course Title: Sociology

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: This course will introduce students to the study of mankind's most important creation: the social group. Everything we do is directly or indirectly influenced by the society in which we live. You will study topics which include: family, poverty, race, sex and gender issues, societal norms, etc.. There will be diverse learning modules including: lectures, video clips, relevant movies and social media connections. Students will be expected to engage in class discussion as well as complete all assigned work.

Course Title: Social Justice in America

Term: One semester

Credit: 0.5

Prerequisite: Successful completion of Global History and Geography I

Description: Students taking this course will be introduced to social justice issues relating to ableism, racism, sexism, heterosexism, and classism in America. Students will trace the path of social movements to understand the history of injustice to put today's events in context. This course will encourage students to think critically about social justice concepts, issues, and remedies.

Course Title: US History and Government

Term: Two semesters

Credit: 1.00

Prerequisite: Successful completion of Global Studies I and II.

Description: This course is a chronological study of American History with great emphasis on the Constitution of the United States. Current events play a major role in this course. The course is designed to give students a realization of the impact of government on their lives. Students will be expected to have mastery of essay and DBQ writing skills to be recommended. The Five District Standards will be used with emphasis on essay writing and primary source documents. A passing grade on the Regents Exam in American History and Government is required in order to qualify for graduation.

Technology

Course Title: CAD I (Computer Aided Drafting)

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: This course is an introduction to computer-aided drafting (CAD) using AutoCAD LT software program. The topics covered in this course include: the AutoCAD LT graphics and text windows, user interface, drawing, setup parameters, rectangular and polar coordinate entry, display control functions, 2D geometric objects, selection sets, object snap models, X and Y coordinate filters, inquiry commands, text creation and modification, and 2D editing commands.

Course Title: Keyboarding

Term: One semester

Credit: 0.5

Prerequisites: None

Description: This course is intended for students who need to learn or improve their keyboarding technique and skills. Students will master touch keyboarding and improve their proofreading, editing and writing skills while formatting letters, reports, tables and other documents. In keyboarding students memorize the order of the keys and practice typing for speed and accuracy. The course stresses typing without looking at the computer keyboard or backtracking to fix mistakes. To move on, students must be able to type 30 words per minute with three or fewer errors. This course will teach students how to type correctly. The course will cover the 3 Keyboarding basics: Keying Speed, Keying Accuracy, and Keying Technique.

Course Title: TV Production I/Broadcasting

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: This course is the introduction of skills involving communication through Television. Students will be introduced to the artistic and technical aspects of Television Production such as: camera and computer editing techniques. Camera techniques include panning, zooming and tilting. Editing techniques include assembly editing, insert editing and visual effects. Each skill is taught through hands-on experience in the studio and on-location. Assignments will include a 30-4-30 video, a music video, recreating scenes from a movie and creating original scenes. Students will produce real and spoof commercials, as well as a cribs video and a chase scene.

Course Title: TV Production II/Broadcasting

Term: One Semester

Credit: 0.5

Prerequisite: TV I and Instructor Approval

Description: In this course students will learn how a TV studio operates. This will include learning a variety of equipment such as the video mixer, audio mixer, router, teleprompter and various types of playback equipment (DVRs, DVDs). An introduction to lighting will be covered in this class. The students will continue to learn non-linear editing and camerawork. Assignments include fictional and non-fictional news reports and interviews.

Course Title: Video Game and Design

Term: One semester

Credit: 0.5

Prerequisites: None

Description: Video game designers use extensive technology, such as editing and design software. Students will create programs or choose formats for websites, magazines, or movies, all of which call for an understanding of technology and software. Many jobs as video game designers require candidates to create programs or products both aesthetically appealing and functional. Creativity is necessary in this process since individuals brainstorm innovative designs and make choices on product appearance.

VOCATIONAL/TECHNICAL COURSES

Course Title: Business Marketing

Term: One semester

Credit: 0.5

Prerequisite: For students in Grades 10 - 12

Description: In this course students examine the fundamentals of marketing and sales, including how research can help identify and generate sales. Public relations and corporate communications will explore the use of media and branding to improve a company's image, which in turn helps sales. Students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Course Title: Career and Technical Institute at BOCES

Term: Two semesters, Choice of one or two years. Many of the programs must be taken for 2 years to receive certification

Credit: Up to four credits

Prerequisite: BOCES Application and successful completion of grades 9 and 10.

Description: Students in their junior and/or senior year will have the opportunity to attend classes for one half of the day and receive vocational training during the other half at Dutchess County BOCES. Over 36 programs are offered in the six major career fields of: Business Information Systems, Engineering Technology, Arts and Humanity, Health Services, Human and Public Services, Natural and Agricultural Sciences. The goal of each of the programs is to deliver hands-on training needed to gain employment, and many carry college credits that can transfer to further education. Course offerings are detailed on the website: www.dcboces.org/CTI. Students must complete an application and are still required to complete their high school graduation requirements in addition to attending a BOCES program. Good attendance and discipline is considered when completing the application. Sophomores will be able to review programs offered around January/February for the next school year.

Course Title: Introduction to Occupations

Term: One Semester

Credit: 0.5

Prerequisite: None

Description: This course is designed to give students the opportunity to explore a variety of careers and occupations. Students will research the requirements and skills needed for specific occupations; learn about the job application process, job interview procedures and workplace expectations

Course Title: Job Skills

Term: One semester

Credit: 0.5

Prerequisites: None

Description: Everyone needs to know how to get and keep a job. Students will learn how to create employment documents like resumes, letters of application, job applications and successfully interview for a job. Students will practice mock interviews to boost their confidence. This course will teach students how to answer the tough interview questions. Students will research job opportunities in their areas of interest. Students will research different careers in Naviance that match their Career Interests Profile. Students will learn about themselves through interest inventories on Naviance that leads them to know their interests and aptitudes. Students will learn skills to help them secure a job, and function as part of a team in the workplace.

Course Title: Personal Finance

Term: One semester

Credit: 0.5

Prerequisites: For students in Grades 10 - 12

Money, Money, Money: Students learn now about saving and budgeting. Learn about tips for tracking and saving money. What is interest and debt. Compound interest, credit cards, and loans. Investments and Retirement accounts such as IRA's and Mutual Funds: How to make your money work for you! Income and medical benefits. Housing: buying vs renting. car expenses: buying vs Leasing a car. What works for you? Tax forms and how to complete them. Paying for college, grants, financial aid, scholarships etc.

SUPPORT SERVICES

Course Title: English Lab and Math lab

Term: Two Semesters

Credit: 0.00

Prerequisite: Score 1 or 2 on NYS ELA, Math and/or having been identified as needing academic support services in a core subject in grade 8. For General Education students.

Description: Students work in small groups to improve their comprehension strategies and skills, and reinforce skills and mathematical weaknesses as well as build their test taking strategies. Students will learn to apply and use comprehension strategies and skills across the curriculum. Students will have the availability to work with all core teachers.

Course Title: Resource 9/10

Term: Two semesters

Credit: 0.00

Prerequisite: CSE Committee Recommendation

Description: Support services as outlined in a student's IEP

Course Title: Resource 11/12

Term: Two semesters

Credit: 0.00

Prerequisite: CSE Committee Recommendation

Description: Support services as outlined in a student's IEP

Course Title: School to Work Program (currently only for students who are classified)

Term: Two Semesters

Credit:

Prerequisite: Age of 16 or higher. CSE recommendation

Description: The students receive adult-Job Coach mentoring and guidance at local job sites during a designated 3 period time frame. The volunteer work hours can be used towards the SAAC and CDOS certificates. The goal is to introduce the students to a variety of workplaces and work tasks to help them integrate themselves into the workforce when they leave the High School.